

KULESHOV, Nikolay Andreyevich; NOVOZHILOV, M.G., prof., doktor tekhn.nauk,
red.; ZURKOV, P.E., prof., doktor tekhn.nauk, red.; POPOV, S.I.,
dotsent, kand.tekhn.nauk, red.; DIDKOVSKIY, D.Z., inzh., otv.red.;
KAUFMAN, A.M., red.izd-va; IL'INSKAYA, G.M., tekhn.red.

[Open-pit mining] Otkrytie gornye raboty. Moskva, Gos.nauchno-
tekhn.izd-vo lit-ry po gornomu delu, 1961. 327 p. (MIRA 14:6)

(Strip mining)

NOVOZHILOV, Mikhail Galaktionovich, prof., doktor tekhn.nauk. Prinimal
uchastiye MESHCHERYAKOV, A.I., dotsent. ZURKOV, P.E., prof.,
retsenzent; ORLOV, Ye.I., otv.red.; KAUFMAN, A.M., rad.ind-va;
BERESLAVSKAYA, L.Sh., tekhn.red.; BOLDYREVA, Z.A., tekhn.red.

[Open-pit mining] Otkrytye gornye raboty. Moskva, Gos.nauchno-
tekhn.izd-vo lit-ry po gornomu delu, 1961. 474 p.

(MIRA 14:6)

(Strip mining)

KLEYNGOL'D, V.Ya.; POPOV, A.A.; ZURKOV, P.N., dote.

Stripping operations at the Sokolovka open pit iron ore mine.
Gor.zhur. no.11:16-21 N '48. (MIRA 11:11)

1. Nachal'nik Sokolovskogo zhelezorudnogo kar'yera (for Kleyngol'd).
- 2.. Glavnnyy inzhener Sokolovskogo zhelezorudnogo kar'yera (for Popov).
(Sokolovka(Kustanay Province)--Strip mining)

SOV/127-58-11-4/16

AUTHORS: Kleyngol'd, V.Ya., Director of the Mine, Popov, A.A., Head
Engineer and Zurkov, P.E., Dotsent

TITLE: Stripping Work at the Sokolovskoys Opencast Iron Ore Mine
(Vskryshnyye raboty na Sokolovskom zheleznorudnom kar'iere)

PERIODICAL: Gornyy zhurnal, 1958, Nr 11, pp 16 - 21 (USSR)

ABSTRACT: The timely execution of stripping works and the preparation
of a normal working surface for opencast mining in the So-
kolovskoye-Sarbay trust were the most important factors in
starting the production of iron ore in the quantities fore-
seen by the plan (Sokolovskoys deposits + 5,000,000 tons and
the Sarbay deposit - 10,000,000 tons a year). By 1 January
1958, 17,000,000 tons out of the 28,000,000 tons of overbur-
den were removed at the Sokolovskoye deposit. The daily
volume of stripping operations gradually increased from -
12,000 cubic m in 1956 to 50,000 cubic m at the end of 1957.
This increase was the result of the utilization of new trans-
portation machines and of an improved organization of work
at the mine. Roads for trucks and railways were built. The
authors describe in detail different types of excavators,

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Stripping Works at the Sokolovskoye Open-cast Iron Ore Mine SOV/127-58-11-4/16

bulldozers and trucks used, as well as the organization of working brigades. During the first 6 months of 1958, a total of 425,963 tons of iron ore was produced at the Sokolovskoye deposit. There are 6 tables, 1 photo and 2 Soviet references.

ASSOCIATION: Sokolovsko-Sarbayskiy Kombinat (The Sokolovskoye-Sarbay Kombinat)

Card 2/2

1. Mining engineering--USSR

ZURKOV, P.Ye., prof.; BOGATSKIY, V.F., inzh.

Prospects for developing the mining of Bakal siderite ores. Izv.
vys. uch. zav.; gor. zhur. 5 no.6:5-8 '62. (MIRA 15:9)

1. Magnitogorskiy gornometallurgicheskiy institut imeni G.I.
Nosova. Rekomendovana kafedroy razrabotki mestorozhdeniy
poleznykh iskopayemykh.

(Bakal region--Siderite)

ZURKOWSKA, Janina; BUDZYNSKA, Maria; CZAROWSKI, Aleksander

Cardenolide glycosides. II. The content of active bodies in
Digitalis purpurea L. leaves of domestic origin. Acta pol.
pharm. 20 no.2:109-114 '63.

1. Z Zakladu Zwiazkow Naturalnych Instytutu Farmaceutycznego
w Warszawie Kierownik Zakladu: Dr A. Ozarowski.

(DIGITALIS GLYCOSIDES)
(CHEMISTRY, PHARMACEUTICAL)

ZURKOWSKA, Janina; LUKASZEWSKI, Mieczyslaw; OZAROWSKI, Aleksander

Cardenolide glycosides. III. Quantitative and qualitative
thin-layer chromatography of digitalis glycosides. Acta pol.
pharm. 20 no.2:115-120 '63.

1. Z Zakladu Związków Naturalnych Instytutu Farmaceutycznego
w Warszawie Kierownik Zakładu: Dr A. Ozarowski.
(DIGITALIS GLYCOSIDES) (CHROMATOGRAPHY)

ZURKOWSKA, Janina; BUDZYNSKA, Maria; KROZCZYNSKI, Wojciech;
OZAROWSKI, Aleksander

Cardenolide glycosides. V. Studies on a complex of active
bodies isolated from Convallaria majalis L. Acta pol. pharm.
20 no.4:329-337 '63.

1. Z Zakladu Związków Naturalnych Instytutu Farmaceutycznego
w Warszawie Kierownik Zakładu: dr. A. Ozarowski.
(CONVALLARIA) (CHEMISTRY, PHARMACEUTICAL)

KROSAZEWSKI, Wojciech, LIKASZEWSKI, Mieczyslaw, ZIUKOWSKA, Janina
DABICZOWSKI, Aleksander.

Cardenolid glycosides. VI. Determination of digitoxin in
Digitalis purpurea leaves after the isolation of gitalin
fractions. Acta Pol. pharm. 21 no.3:257-263 '64

1. Z Zakladu Związkow Naturalnych Instytutu Farmaceutycznego
w Warszawie (Kierownik dr. E. Dabrowski).

BUDZYNSKA, Maria; ZURKOWSKA, Janina; OZAROWSKI, Aleksander

Cardenolid glycosides. XI. Chromatographic analysis of mixture
of digitalis glycosides remaining after the separation of
lanatosides. Acta Pol. pharm. 21 no.6:519-520 '64

1. Z Zakladu Zwiazkow Naturalnych Instytutu Farmaceutycznego
w Warszawie (kierownik: dr. A. Ozarowski).

DURKOWSKA, Janina; MIDZYNSKA, Maria; OZAROWSKI, Aleksander

Gardenolid glycosides. VII. Determination of the purity of digi-toxin from various suppliers. Acta Pol. pharm. 21 no.3:307-308
'64

1. Z Zakładu Związków Naturalnych Instytutu Farmaceutycznego
w Warszawie (Kierownik: dr. A. Ozarowski).

KROCHOWSKI, Wojciech; ZUREKOWSKA, Jadwiga; CHROWICKI, Aleksander, dr.

Cardenolid glycosides. VIII. Alkaline degradation of lanatoside
C. Acta Pol. pharm. 21 no.4:355-358 '64.

1. Z Zakladu Związkow Naturalnych Instytutu Farmaceutycznego
(Kierownik: dr. A. Chrowicki).

MICHALSKA, Barbara; ZURECKA, Jadwiga, OZAROWSKI Aleksander, dr.

Cardenolid glycosides. X. A method for quantitative digitoxin determination in suppositories. Acta Pol. pharm. 21 no.4: 363-364 '64.

L. Z Zakladu Zwiazkow Naturalnych Instytutu Farmaceutycznego w Warszawie (Kierownik: dr. A. Ozarowski).

ZURKOWSKA, Janina; OZAROWSKI, Aleksander

Cardenolide glycosides. XII. Quantitative thin-layer chromatography on talcum of a mixture of lanatosides A,B,C and D. Acta Pol. pharm. 22 no.1:83-85 '65.

1. Z Zakladu Zwiazkow Naturalnych Instytutu Farmaceutycznego w Warszawie (Kierownik Zakladu dr. A. Ozarowski).

KROSCZYNSKI, Wojciech; LUKASZEWSKI, Mieczyslaw; ZURKOWSKA, Janina;
MARCISZEWSKI, Henryk; OZAROWSKI, Aleksander

Cardenolide glycosides. IV. Production of acetyldigitoxin
through selective acetylation of digitoxin. Acta pol. pharm.
20 no.2:121-129 '63.

1. Z Zakladu Zwiazkow Naturalnych Instytutu Farmaceutycznego
w Warszawie Kierownik Zakladu: Dr A. Ozarowski,
(DIGITOXIN) (CHEMISTRY, PHARMACEUTICAL)
(DIGITALIS GLYCOSIDES)

POLAND / General and Specialized Zoology. Insects. Pests of Food
Stuffs. P

Abs Jour : Ref Zhur - Biologiya, No 16, 1958, No. 73691

Author : Mlodecki, Henryk; Zurkowska, Teresa
Inst : Not given
Title : Data on the Hygienic Evaluation of Food Infested with
Bread Mites. II. Study on the Pathogenic Characteristics of Food Infested with Bread Mites

Orig Pub : Roczn. Panstw. zakl. hig., 1957, 8, No 1, 19-26

Abstract : Temperatures less than 24° retard the development of mites in food. The optimum temperature for their development is 24° - 29° with 15% humidity of the products. For 12 days 10 white rats received in their food daily 20 additional g. of flour containing 146 mites. When the rats were dissected after 12 days, no characteristic anatomic or pathohistologic changes

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KOSMIDER, Stanislaw; ZURKOWSKI, Andrzej; WEGIEL, Antoni

In vitro effects of Hg, KCN and CO on granulocytic alkaline phosphatase. Pol. arch. med. wewnet. 35 no.4:477-481 '65.

1. Z Kliniki Chorob Wewnętrznych i Zawodowych Śląskiej Akademii Medycznej w Zabrzu (Kierownik: prof. dr. med. W. Zahorski).

SROCZYNISKI, Jan; ZURKOWSKI, Andrzej; GORSKI, Janusz

A case of WPW syndrome in auriculo-ventricular block. Pol.
arch. med. wewnet. 33 no.11:1289-1296 '63.

1. Z Kliniki Chorob Wewnetrznych i Zawodowych Slaskiej AM.
Kierownik: prof. dr. med. W.Zahorski.

SROCZYNSKI, Jan; ZURKOWSKI, Andrzej; SMIGLA, Krystyna;
SUWALSKI, Zbigniew

A case of Lesniowski-Crohn disease with an atypical course
and intestinal hemorrhage. Pol. arch. med. wetnet. 33 no.8:
973-977 '63.

1. Z II Kliniki Chorob Wewnętrznych Sz. AM w Zabrusz Kierownik:
prof. dr med. W. Zahorski Z Zakładu Anatomii Patologicznej
Sz. AM w Zabrusz Kierownika: prof. dr med. W. Niepolomski i z
Zakładu Radiologii Sz. AM w Zabrusz p.o. Kierownika: dr med.
H. Romanowski.

(ILEITIS, REGIONAL)
(HEMORRHAGE, GASTROINTESTINAL)
(AUTOPSY)

KROL, Wladyslaw; KIETA-FYDA, Aleksandra, TAHEAU, Jerzy; SOJIN, Marian,
ZUROWSKI, Czeslaw.

The circulatory system in shock in recent myocardial infarction. Pol. tyg.lek. 18 no.45:1669-1675 4 N^o63.

1. Z I Kliniki Chorob Wewnętrznych AM w Krakowie. Kierownik:
prof.dr. Leon Tochowicz.

Country : POLAND

Category: Pharmacology. Toxicology. Narcotics and Hypnotics.

V

Abs Jour: RZhBiol., No 6, 1959, No 27655

Author : Bojanowicz, K.; Torzecka, W.; Zurkowski, J. W.

Inst : -

Title : Three Cases of Intoxication with Trichloroethylene
Taken Internally.

Orig Pub: Med. paracy, 1957, 8, No 6, 405-410

Abstract: No abstract.

Card : 1/1

v-4

ZURKOWSKI,

POLAND / Microbiology, Human and Animal Pathogens.

Publ: Jour. Ref Zhur-Biol., No 2, 1959, 5622.

Author: Chodarczak, J.; Franciszka, J.; Kulareski, M.; Lepitska, I.; Turc, A.; Sowek, E.; Stachiewicz, J.; Zurkowski, J.

Year: Not Avail.

Title: Characteristics of Corynebacterium Diphtheriae Strains Isolated During the 1955-6 Epidemic in the City of Lodz.

Cris Publ. Praggl. epidemol., 1957, 11, No 4, 371-383.

Abstract: The proportion of 276 diphtheria strains isolated from 250 patients in the city of Lodz, which the author considers an endemic center of diphtheria, were studied. Of all strains, 53.4% were of the Gravis type; 26.2% were of

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Abstract: The "Inceplicer" Gravis type, differing from the classic (Ervoid) Gravis type in certain respects, was believed to be the fifth type, in 17.3% of strains, to the Inceplicer type. In 1956, a study of 1956 showed considerable predominance of the Gravis type. Of 166 strains isolated from patients in 1952, Sowarska found 53.5% Gravis type, 10.3% "Inceplicer" Gravis type, 10.7% corynebacteria. Comparing the evolution and distribution of diphtheria pathogens observed in Lodz with the reported Molodzschek's of a 25-year-old collection—Gravis—Ervoid—Inceplicer, she concluded that the maximum prevalence of the Gravis type in the Lodz area in past; the

Card 2/3

Abstract: Predominance of the "Inceplicer" Gravis type in 1956. Ervoid Gravis (Ervoid) type is becoming a transitional stage toward the classic type. Evolution of strains can, to a certain degree, depend on immunization of the population. Immunity to survival of more basic serotypes, such as K. L. Grusich, to the Gravis type.

Card 3/3

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BOJANOWICZ, K.; MILEWSKA, Z.; ZURKOWSKI, J.

Studies on the behavior of eosinophilis and sugar in peripheral blood and of serum cholesterol and chlorides in peptic ulcer under the influence of desoxycorticosterone therapy. Polskie arch.med. wewn. 30 no.6:813-815 '60.

1. Z I Kliniki Chorob Wewnetrznych A.M. w Lodz. Kierownik: prof. dr nauk med. J.W.Grott i z Laboratorium P.S.K. Nr 1. Kierowniki: dr med. A.Wiersbowska.

(BLOOD SUGAR pharmacol)
(EOSINOPHILS pharmacol)
(CHOLESTEROL blood)
(CHLORIDES blood)
(PEPTIC ULCER ther)
(DESOXYCORTICOSTERONE ther)

JASTOROWSKI, H.; PIOTROWSKI, J.; SZANIAWSKI, A.; WIERZYK, A.; ZURKOWSKI, M.

Variations of blood serum urea level in cows as affected by
different feeding conditions. In English. Bul Ag Pol Biol 8
no.9:479-482 '60. (EEAI 10:7)

1. Institute of Experimental Animal Breeding, Polish Academy of
Sciences. Presented by L. Kaufman.
(BLOOD) (COWS)

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9

ZURKOWSKI, Maciej

Scientific conference on "Studies on Blood Groups in Animals."
Kosmos biol 12 no. 4:413-415 '63.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9"

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9

ZUROWSKI, Stanislaw, dr.

Heavy paper in Poland in the 16th - 18th centuries. Przegl. papier
18 no. 11:360-361 N '62.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9"

ZURAKOWSKI, Witold

Hereditary polyposis of the large intestine. Pol. tyg. lek. 17 no. 27:
1065-1068 2 Jl '62.

1. Z Oddzialu Chirurgicznego Instytutu Onkologii w Warszawie; Kierownik
Oddzialu: prof. dr. med. T. Koszarowski; dyrektor Instytutu: prof. dr
med. J. Laskowski.

(POLYPI) (INTESTINAL NEOPLASMS) (COLONIC DISEASES)

ZURNADZHI, V.A., ispolnyayushchiy obyazannosti detsenta

Foundations for thin-walled composite structures. Trudy RISI
no.4:44-48 '55. (MIRA 12:1)
(Foundations)

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9

ZURNADZHI, V.A., docsent

Designing foundations of structures according to rated limiting
conditions. Trudy RISI no.6:23-34 '58.
(Foundations) (Soil mechanics) (MIRA 12:6)

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9"

ZURNADZHI, V. A., Candidate Tech Sci (diss) -- "Problems of designing and construction on severely deformed foundations". Dnepropetrovsk, 1959. 12 pp
(Dnepropetrovsk Inst of Railroad Transport Engineers), 150 copies (KL, No 25,
1959, 133)

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9

ZURNADZHI, V.A. (Rostov-na-Donu)

Problems of planning and building on loess soils. Osn., fund. i
mekh. grun. 3 no.4:28-29 '61.
(Loess) (Foundations) (MIRA 14:8)

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9"

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9

ZURNADZHI, V.A.; ANAN'IEV, V.P.; UKOLOVA, Z.S.

Determining possible deformations of sagging foundations and selecting construction measures. Osn., fund. i mekh.grun. 5 no.6:23-25 '63.
(MIRA 16:12)

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9"

ANAN'YEV, Vsevolod Petrovich; ZHURABZHII, V.A., otd. red.;
ZAKHARINA, I.Ya., red.

[Mineralogical composition and properties of loess]
Mineralogicheskii sostav i svoistva lessovykh porod
Rostov-na-Donu, Izd-vo Rostovskogo univ., 1964. 143 p.
(MIRA 18:1)

ZUEN'DZHI, V.A. (Rostov-na-Donu); ANANI'YEV, V.P. (Rostov-na-Donu);
GIL'MAN, Ya.D. (Rostov-na-Donu)

"Manual for designing foundation beds and foundations of
buildings and structures on sagging soils," by A.D.
Grigorian. Dan., fund. i mekh.gran. 8 no.1, p.38 166.

(CIA 1981)

DEZHIN, Yuriy Vyacheslavovich; ZURANDZHI, V.A., dats., kand.
tekhn. nauk, nauchn. red.; SNAK'YAN, Yu.A., red.

[Pile foundations for large-panel buildings on sagging
soil in Rostov Province] Svainye fundamenti krupnopanel'-
nykh zdanii v usloviakh prosadochnykh gruntov Rostovskoi
oblasti. Rostov-na-Donu, Rostovskoe knizhnoe izd-vo,
1964. 45 p.

(MIRA 18:3)

ZUROMSKI, M.

Adaptation of the brine underlayer method in Great Poland Fat Industry
Works in Szamotuly. p. 203.
(PRZEMYSŁ SPOŻYWCZY. Vol. 10, no. 5, May 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

ZURNADZHIYEV, A.D.

Manufacture of composite span girders with dry joints.
Transp. stroi, 13 no. 5:17-18 My '63. (MIRA 16:7)

1. Nachal'nik mostopoyezda No. 404.
(Bridges--Design and construction)
(Precast concrete construction)

ZURNADZHIYEV, A.D.

Adjusting head for fixing vibration drivers to reinforced
concrete pilos. Suggested by A.D.Zurnadzhiev. Rats.i izobr.
predl.v stroi. no.8:68-69 '58. (MIRA 13:3)

1. Nachal'nik proizvodstvenno-tehnicheskogo otdela mostopyezda
No.404, Mostotresta. Po materialam Ministerstva transportnogo
stroitel'stva SSSR.
(Piling (Civil engineering)) (Vibrators)

ZURKOWSKA, Zofia

State Central Medical library of the Ministry of Health of U.S.S.R.
Suppl. Polski tygod. lek. 9 no.26;207-208 26 June 54.

1. z Glownej Biblioteki lekarskiej w Warszawie.

4616. ZURKOWSKI J. II. Klin. Ped., Łódź; Zakl. Mikrobiol., Wrocław. "Aglutynina anti 'M' w surowicy 8-miesięcznego dziecka. Anti-M agglutinins in the serum of an 8-month-old child POL. TYG. LEK. 1955, 10/50 (1612-1614) Tables 3
The serum of a boy with poliomyelitis of blood groups O, C, D, E, K, N, P, Le (a+b) contained an unusual antibody. Nine samples of O M, 15 of O N and 15 of O MN were tested. Agglutination took place in 8, 2 and 14 samples respectively. The agglutination was somewhat stronger in serum than in saline. The author believes that the tested serum contained anti-M antibody and some undefined additional antibody.
Milgrom - Zabrze-Rokitnica (IV/74)

DZIECIOLOWSKI, Zygmunt; ZURKOWSKI, Jan, Jr.

The role of insulin in diabetes & attempts to replace it with orally administered drugs. Polski tygod. lek. 13 no.23:883-889 9 June 58.

1. (Z I Kliniki Chorob Wewn. A. M. w Lodzi; kierownik: prof. dr nauk med. J. W. Grott) Lodzi 11, ul. Marynarska 9/6.

(ANTIDIABETICS

oral antidiabetics, comparison with insulin, review (Pol))

(INSULIN
comparison with oral antidiabetics, review (Pol))

ZURKOWSKI, Jan

Anti-M agglutinins in an 8-month-old infant. Polski tygod.lek.
10 no.50:1612-1614 12 Dec. '55.

1. Z II Kliniki Pediatricznej w Lodz; kierownik: prof. dr P.
Redlich i z Zakladu Mikrobiologii we Wroclawiu; kierownik: prof.
dr L. Hirschfeld, Lodz, Kipcińskiego 40 a.
(BLOOD GROUPS,
anti-M agglutinins in inf.)

Zurnadzhii, V. "Strengthening the span construction of a large bridge,"
Zh.-d. transport, 1948, No. 12, pp. 66-69

SO: U-3264, 10 April 1953 (Letopis 'Zhurnal'nykh Statey, No. 4, 1949).

ZURNADZHI, V.A., inzh.

Methods for building on highly deformable foundations. Biul. stroi.
tekhn. 15 no.6:8-11 Je '58.

(MIRA 11:6)

1. Rostovskiy-na-Donu inzhenerno-stroitel'nyy institut.
(Foundations) (Reinforced concrete construction)

ZURCZEKA H.

"Preservation of Fertile Fish Eggs," p. 13, (GOSPODARKA RIBNA, Vol. 6,
No. 1, Jan. 1954. Warszawa, Poland.)

SO: Monthly List of East European Accession, (EEAL), LC,
Vol. 3, No. 12, Dec. 1954, Uncl.

ZUROV, V.F.; TRAVIN, O.V.; SHVARTSMAN, L.A.

Refining cast iron and steel outside the furnace. Izv.vys.ucheb.
zav.; chern.met. 4 no.5:47-49 '61. (MIRA 14:6)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy
metallurgii.

(Cast iron-Metallurgy) (Steel-Metallurgy)

ALEKSANDROWICZ, Julian; KEPINSKI, Antoni; SKOTNICKI, Alina;
ZUROWSKA, Alina

Attempted psycho-sociological analysis of leukemia patients.
Pol. arch. med. wewnet. 33 no.10:1117-1121 '63.

1. Z III Kliniki Chorob Wewnętrznych AM w Krakowie Kierownik:
prof. dr med. J. Aleksandrowicz i z Kliniki Psychiatrycznej
AM w Krakowie Kierowniki: prof. dr med. K. Spett.
(LEUKEMIA) (PSYCHOLOGICAL TESTS)
(SOCIAL CONDITIONS) (STATISTICS)

ZUROVSKA, V. (Riga)

Effect of molybdic and molybdate-boron fertilization on changes of
soil microflora. Vestis Latv ak no.2:139-144 '60. (EEAI 10:1)

1. Latvijas PSR Zinatnu akademija, Biologijas instituts.
(Molybdenum) (Boron) (Trace elements)
(Microflora) (Azotobacter) (Clostridium) (Soils)

KAHL, Wladyslaw; ROSZKOWSKI, Andrzej; ZUROWSKA, Aleksandra

Determination of escin content in various stages of sprouting chestnut seeds by chemical and biochemical methods. Chem anal 8 no.4:575-578 '63.

1. Department of Organic Chemistry, Academy of Medicine, Warsaw.

- 11c
- Notes:** Selected Guidance, Vol. 2, No. 2, March 1952.
1. "Preparation of the Argentines of Politech Engineers with the Trade Unions," Julian RUMYANTSEV, in "Technical Education and Economic Progress," Institute of the Party in Poland During 1950-1951, pp. 67-91.
 2. "Report on the Second USSR Conference in Budapest, Moscow, April 1952." In p. 59.
 3. "Comparative Performance Rate for Industrial Production, see Soviet Russia," pp. 10-12.
 4. "Studies on Field Training for First-Year Students of the Faculty of Mechanics and Cartography (Physical Engineering Faculty) or the Polytechnic (Technical University) at Warsaw," Joint Technical Institute of the Institute of Fundamental Problems of Technical Institute at Warsaw, pp. 203-205.
 5. "Optical Methods of Mine Exploration," Part IV, "Studies in Geophysics," pp. 103-105.
 6. "Geological Methods of Prospecting," Studies in Geophysics, pp. 105-111.
 7. "Geological Prospecting Instruments," Studies in Geophysics, pp. 111-117.
 8. "Management Courses No. 22 — USSR," Josef GULAVI, pp. 111-115.
 9. "Topics on Preparation and Production of Maps from Radar Screens," Stefan PIENICKI, pp. 115-117.
 10. "Recruit's Materials of Prof. A. S. CHESKOVSKY (Soviet), Nikolaj KONSTANTINOVICH," pp. 117-118.

ZUROWSKI, Czeslaw; DENIKIEWICZ, Wladyslaw

Fluorescein test in determination of circulation rate in normal subjects. Polski tygod. lek. 12 no.24:924-927, 10 June 57.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Krakowie; kierownik:
prof. dr. Leon Tochowics. Adres: Kraków, ul. Kopernika 17.
(BLOOD CIRCULATION, determination,
(FLUORESCIN,
blood circ. rate test (Pol))

POLAND/Human and Animal Physiology - Blood Circulation.
Abs Jour : Ref Zhur - Biol., No 7, 1958, 31674
Author : Zurowski Czeslaw, Denikiewicz Wladyslaw
Inst : -
Title : Rate of Blood Circulation Determined by Means of
Fluorescein in Healthy People.
Orig Pub : Polski tygod. lekar., 1957, 12, No 24, 921-927.
Abstract : No abstract.

T-5

Card 1/1

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9

ZUROWSKI, J., mgrⁱⁿ, ina.

Tasks and trends of standards in the cabinet-making industry.
Normalizacja P 28 no.11:528-531 R '60.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9"

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9

ZUROWSKI, Jan

The bent furniture industry in Yugoslavia. Przem drzew 12 no.12:21-25
'61.

(Yugoslavia—Furniture industry)

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9"

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9

"The Development of the Refining Industry in People's Poland" in Nafta, 1953, No 9
(Polish Petroleum periodical) pp 214-217

SO: Air, DI, Col Div, Afoin-IAI, March 54, Unclassified.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9"

ZURAWSKI, M.

ZURAWSKI, M. Mickiewicz and West European romanticism; "orophthora" RVIC AND
the romantic aesthetics, p. 142.

Vol 1, no. 2/3, Apr/ Sept. 1956

GACETA OBSERWATORA, P.I.H.M.

SCIENCE

Warwaw, Poland

So: East European Accession vol 6, no. 3, March 1957

ZUROWSKI, S.

Still more about Michal Eldsner, a papermaker in Poznan in the sixteenth century. p. 281. PRZEGLAD PAPIERNICZY. Lodz. Vol. 11, no. 9, Sept. 1955

Source: East European Accessions List, (EEAL), Lc, Vol. 5, No. 3, March 1956

ZUROVEC, R.

The qualitative 1-V-1. p. 92. RADIOAMATER. (Savez radioamatera Jugoslavije)
Beograd. Vol. 10, No. 4, Apr. 1956.

SOURCE: East European Accessions List. (EEAL) Library of Congress,
Vol. 5, No. 8, Aug. 1956.

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9

ZUROWSKA, L.

Tasks of the reading rooms in technical schools and centers. p. 34. (LAS POLSKI. Vol. 26, no. 3, Mar. 1952.)

SO: Monthly List of East European Accessions, L. C. Vol. 3, No. 4, April, 1954

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9"

ZUROWSKI, S.

History of the technique of papermaking in Poznan. p. 12,
Vol 12, no. 1, Jan. 1956. PRZEGLAD PAPIERNICZY, Lodz, Poland.

So: Eastern European Accession. Vol 5, no. 4, April 1956

ZUROWSKI, S.

Still more about Michal Eldsner, a sixteenth-century papermaker in Poznan. (To
be contd.) p. 185.

PRZEGŁAD PAPIERNICZY, Warszawa, Vol. 11, no. 6, June 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

ZURAWSKI, S.

Still more about Michal Eldener, a sixteenth-century papermaker in Poznan. (To
be contd.) p. 217.

PRZEGLAD PAPIERNICZY, Warszawa, Vol. 11, no. 7, July 1955.

SC: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

ZUROWSKI, Tadeusz

The neolithic mines of Krasemionki Opatowskie; recent works.
Przegl geol 10 no.6:291-295 Je '62.

1. Ministerstwo Kultury i Sztuki, Warszawa.

ZUROWSKI, Wirgiliusz

"The elk of North America" by Olaus J. Murie. Reviewed by Wirgiliusz
Zurowski. Przegl zoolog 6 no.3:235-236 '62.

ZURZYCKA, A.

Report from the Congress of the German Botanical Society in Halle,
May 23 ~ 31, 1961. Wiad botaniczne 6 no.1:91-92 '62.

ZURZYCKA, A.

Aspergillus giganteus Wehm. mut. *alba* Zurz. Acta soc botan Pol 32 no.4:715-718'63.

1. Laboratory of Plant Physiology, Polish Academy of Sciences , Warsaw.

ZURZYCKA, A.

"The small practicum on the physiology of plants" by L. Brauner and F. Bukatsch. Reviewed by A. Zurzycka. Wiad botaniczne 6 no.1:93 '62.

ZURZYCKI, J.

Photooxydative bleaching of chlorophyll pigments *in vivo* caused by chromatic radiation. *Acta soc botan Pol* 33 no.1:121-132 '64

The effects of simultaneous action of the short and long wave parts of spectrum on the movements of chloroplasts. *Ibid.* 133-139

1. Laboratory of Plant Physiology, Jagellonian University,
Krakow.

ZURZYCKI, J.

"Anatomy of plants," by H. Molisch and K. Hoefler. Reviewed
by J. Zurzycki. Wiad botaniczne 5 no.4:345 '61.

ZURZYCKI, Jan

The action spectrum for the light depended movements of chloroplasts
in Lemna trisulca L. Acta soc botan Pol 31 no.3:489-538 '62.

1. Laboratory of Plant Physiology, Jagiellonian University, Krakow.

1

the condition of the country, and the
protection of the slaves are all
the subjects of discussion. The
members of the Convention are
of various political opinions, and
the debates are often very violent.
The Sumter affair has
been a prominent topic of
discussion, and it is generally
agreed that the South has
a right to secede from the Union.
The Convention is to be
convened at Columbia, S.C., on
the 20th of December.

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9

The dependence of 2659 on the configuration of
chromatoplasma on the one hand, and on the configuration of
Protein C on the other hand, can be explained by the fact that
the chromatoplasma contains a protein which is identical with
Protein C. This protein is found in the chromatoplasma of all
higher plants, and it is also found in the chromatoplasma of
lower plants.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9"

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9

ZURZYCKI, J.

"Anatomy of plants", by H. Molisch and K. Hoefler. Wiad botaniczne 5no.4:345

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R002065620010-9"

ZUSEVA, B. S.

USSR/Chemical Technology. Chemical Products and Their Application -- Treatment of natural gases and petroleum. Motor fuels. Lubricants, I-13

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5560

Author: Papok, K. K., Zuseva, B. S.

Institution: None

Title: Effect of Metals on Lacquer Formation Properties of Oils

Original Publication:

Khimiya i tekhnol. topiliva, 1956, No 5, 64-69

Abstract:

Formation of lacquer in a thin layer ($150\text{ }\mu$) of oils MK-22, MS-20, Avtol-10 and paraffin-naphthenic fraction of MS-20 oil, on steel 20, stainless steel, duraluminum, aluminum, bronze and copper, was studied by the method of GOST 5737-53 in the range of $250\text{-}300^\circ$, with a duration of heating of the oil of 30 minutes. It was found that the catalytic action of metals on the process of lacquer formation depends on the chemical composition and volatility of the oil and on the temperature. In the case of MK-22 and MS-20 oil and the paraffin-naphthenic

Card 1/2

USSR/Chemical Technology. Chemical Products and Their Application -- Treatment of natural gases and petroleum. Motor fuels. Lubricants, I-13

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5560

Abstract: fraction of MS-20 oil the strongest catalyst is steel 20, while for Avtol-10 it is copper and bronze. With increase in volatility of the oil the catalytic action of metals on the process of lacquer formation decreases. The greatest difference in catalytic action of metals on lacquer formation is observed at 250-280°.

Card 2/2

PAPOK, K.K.; ZUBENOV, B.G.

Critical temperature in piston vanishing. Khim. i tekhn. tepl. no. 3:
70-72 Mr '56. (MLBA 919)
(Automobiles--Engines)

PAPOK, K.K.; ZUSEVA, B.S.

Effect of metals on the gumming properties of oils. Khim.i tekhn.
topl. no.5:64-69 My '56. (MIRA 9:9)
(Automobiles--Lubrication)

LUDWIG
USSR/Chemical Technology. Chemical Products and Their Application -- Treatment of natural gases and petroleum. Motor fuels. Lubricants, I-13

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5559

Author: Papok, K. K., Zuseva, B. S.

Institution: None

Title: Critical Temperature of Lacquer Formation

Original Publication: Khimiya i tekhnol. topliva, 1956, No 3, 70-72

Abstract: An investigation, by the method of GOST 5737-53, of dependence of lacquer formation, in a thin layer, on heating temperature (in the range 220-280°), of various oils, as such and with additives. It is shown that at a definite temperature, that is critical for each specific oil, intensive lacquer formation sets in. According to the critical temperature of lacquer formation a comparison was made of the effectiveness of various additives for commercial oils. Of the investigated additives the most effective was found to be ZIT-2, which on addition in an amount of 1.5% raises the critical temperature from 235-245° to 275-280°.

Card 1/1

ISAGULYANTS, V.I.; TISHKOVA, V.N.; PAPOK, K.K.; ZUSEVA, B.S.

Synthesis of phenolates of sulfides and disulfides of substituted phenols. Izv.vys.ucheb.zav.; neft' i gaz 1 no.11:97-103 '58.
(MIRA 12:5)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti
im. akad. I.M.Gubkina.
(Phenoxydes)

ISAGULYANTS, V.I.; TISHKOVA, V.N.; PAPOK, K.K.; ZUSAVA, B.S.

Research in the field of the synthesis of additives for petroleum products. Report No.1: Synthesis of phenolates of sulfides and disulfides of substituted phenols. Trudy MNII no.23:31-41 '58. (MIRA 12:1)
(Phenoxydes) (Petroleum products--Additives)

PAPOK, K.K.; ANISIMOV, K.N.; ZUSEVA, B.S.; KOLOBOVA, N.Ye.

Effect of esters of unsaturated phosphinic acids on the
antioxidizing properties of mineral oil. Zhur.prikl.khim.
32 no.1:180-186 Ja '59. (MIRA 12:4)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
(Mineral oils) (Phosphinic acid) (Oxidation)

SOV/80-59-1-29/44

AUTHORS:

Papok, K.K., Anisimov, K.N., Zuseva, E.S. and Zolobova, N.Ye.
Effect of Esters of Unsaturated Phosphinous Acids on the Anti-
oxidation Properties of Mineral Oil (Vliyaniye estirov nepre-
del'nykh fosfinovykh kislot na antioksislitel'nyye svoystva
mineral'nogo masla)

TITLE:

PERIODICAL:

ABSTRACT:

Zhurnal prikladnoy khimii, 1959, Nr 1, pp 180-186 (USSR)
Phosphorus-organic compounds improve the properties of lubricating oils. In the present paper the authors describe the effect of esters of unsaturated phosphinous acids on the antioxidant properties of the MS-2C mineral oil. The evaluation of these properties was performed by the four methods: 1. thermal oxidizing stability, 2. volatility, 3. working fraction and 4. varnish formation (GOST 5757-53), and the results were compiled into tables. Their analysis leads to the following conclusions: 1. The antioxidant properties of unsaturated phosphinous acid esters are improved: a. with the introduction of the phenyl group in diethyl, diallyl and dihexyl esters; b. with the presence of the indenyl group in diethyl and diallyl esters; c. with an increase in the length of the hydrocarbon radical (from C₂ to C₆) in diallyl and dihexyl esters; d. with an increase in the length of the chain of the ester grouping radical (from C₂ to C₆) in esters of the β -butoxivinyl-

Card 1/2

EOV/80-59-1-29/44

Effect of Esters of Unsaturated Phosphinous Acids on the Antioxidation Properties of Mineral Oil

phosphinous, β -phenylvinylphosphinous and β -hexyloxivinylphosphinous acids. 2. Among the compounds investigated dihexyl esters of unsaturated phosphinous acids possess the highest antioxidantizing properties.

There are 5 tables and 2 references, 1 of which is Soviet and 1 American.

ASSOCIATION: Institut elementarnoorganicheskikh soyedineniy AN SSSR (Institute of Elemental Organic Compounds of the AS USSR)

SUBMITTED: May 23, 1957

Card 2/2

SOV/80-32-2-22/56

AUTHORS: Papok, K.K., Anisimov, K.N., Zuseva, B.S., Kolobova, N.Ye.

TITLE: Effect of Tetraalkyldiamides and Dipiperidides of Unsaturated Phosphine Acids on the Antioxidation Properties of Mineral Oil (Vliyanie tetraalkildiamidov i dipiperididov nepredel'nykh fosfinovykh kislot na antiokislitel'nyye svoystva mineral'nogo masla)

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol XXXII, Nr 2,
pp 358-363 (USSR)

ABSTRACT: The effect of diamides and dipiperidides of unsaturated phosphinic acids on the antioxidant properties of the oil MS-20 is investigated here. The dipiperidide radical in the compounds increases their antioxidantizing property. Phenyl and phenoxy groups increase the antioxidant properties only in tetraethyl-diamides, but not in other compounds. The lengthening of the carbon radical in the group $(MR_2)_2$ from C_2 to C_4 reduces antioxidantization in tetraethyldiamides and tetrabutyldiamides. Tetraalkyldiamides and piperidides of unsaturated phosphinic acids

Card 1/2

SOV/80-32-2-22/56

Effect of Tetraalkyldiamides and Dipiperidides of Unsaturated Phosphine Acids
on the Antioxidation Properties of Mineral Oil

have higher antioxidantizing properties than the esters of unsaturated phosphinic acids.

There are 4 tables and 1 Soviet reference.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy AN SSSR (Institute
of Element-Organic Compounds of the USSR Academy of Sciences)

SUBMITTED: May 23, 1957

Card 2/2

Sov/80-32-3-33/45

5(3)

AUTHORS:

Papok, K.K., Anisimov, K.N., Buseva, I.S., Kolobova, N.Ye.

TITLE:

The Effect of Thio-Compounds of Unsaturated Phosphinic Acids
on the Anti-Oxidation Properties of Mineral Oil ('lipaniye
tiosoyedineniy nepredel'nykh fosfinovikh kislot na antioxislis-
tel'nyye svyystva mineral'nogo masla')

PERIODICAL:

Zhurnal prikladnoy khimii, 1959, Vol XXII, Nr 3, pp 656-659
(USSR)

ABSTRACT:

The effect of the dithioethyl ethers of unsaturated phosphinic and thiophosphinic acids and of the ethers of alkylthiorayl-phosphinic acids on the antioxidation properties of the oil MS-20 is investigated here. The best result is obtained with the dithioethyl ether of the β -ethoxyethylthiophosphinic acid. The introduction of sulfur into the ethers of unsaturated phosphinic acids increases their antioxidation properties sharply. The ethers of alkylthiorayl-phosphinic acids have no effect on the stability against thermal oxidation.

Card 1/2

SOV/80-32-3-23/25

The Effect of Thio-Compounds of Unsaturated Phosphinic Acids on the Anti-Oxidation Properties of Mineral Oil

There are 2 tables and 2 Soviet references.

SUBMITTED: December 17, 1957

Card 2/2

28(5)
AUTHORS:Sinitsyn, V.V., Papok, K.K., Zuseva, B.S. SOV/32-25-11-34/69

TITLE:

Method for the Classification of the Volatility of Plastic Lubricants

PERIODICAL:

Zavodskaya laboratoriya, 1959, Vol 25, Nr 11, pp 1349-1351
(USSR)

ABSTRACT:

A number of methods of lubricant quality control used at present possess a low reproducibility. An accelerated method based on the measurement of the loss in weight of a lubricant sample has been developed. The latter is applied to a standard vaporizer (diameter 21.4 mm) (GOST 5737-53) in a layer of 1 mm thickness and kept for 1-3 hours in a special thermostat at a certain temperature. A thermostat with film formation as it is normally used for the volatility determination of oils was used (Ref 1). Vaporizers with ring-shaped shelves (Fig 1) were used besides standard vaporizers. The TSIATIM-201 lubricant was tested and it was found that the weighed portions are different in the case of different vaporizers, which is also reflected in the volatility measurements (Fig 2). A satisfactory reproducibility of the measurement results is achieved with weighed portions of the

Card 1/2

Method for the Classification of the
Volatility of Plastic Lubricants

SOV/32-25-11-34/69

lubricant of 0.3 - 0.32 g only. It was observed that the location of the vaporizers in the thermostat does not affect the measurement results (Fig 3). Volatility determinations of the MVP and MK-8 lubricants, thickened in one case by means of aluminum stearate (sample liquid) and in the other case with lithium stearate (sample plastic) gave different measurement results under the same conditions. The duration of the test is reduced by increasing the test temperature (Table 1, lubricants of types OKB-122-7-5, OKB-122-5a, TsIATIM-201, and 2TsKPa), which, however, must not exceed the melting point of the thickening substance. A certain working technique, which yielded well reproducible determination results, is recommended (Table 2, results for lubricants of types TsIATIM-201, GSA, OKB-122-7). There are 3 figures, 2 tables, and 2 Soviet references.

ASSOCIATION: Nauchno-issledovatel'skiy institut goryuchey smazochnykh materialov (Scientific Research Institute of Fuels and Lubricants)

Card 2/2

SINITSYN, V.V.; PAPOK, K.K.; ZUSEVA, B.S.

Method for evaluating the volatility of plastic lubricants. Zav. lab.
no.11-1349-1351 '59. (MIRA 13:4)

1. Nauchno-issledovatel'skiy institut goryuches-mazochnykh materialov.
(Lubrication and lubricants)

ZUSEVA, B.S.

ISZAGULJANG, V.I. [Isagulyants, V.I.] (Leningrad); TISKOVA, V.N. [Tishkova, V.N.] (Leningrad); PAPOK, K.K. (Leningrad); ZUSEVA, B.S. [Zuseva, B.S.] (Leningrad)

Investigation of the synthesis of additives of mineral-oil products.
I. Preparation of substituted phenol-sulfide and phenol-disulfide metal salts. Tr. from the Russian. Kem.tud.kozl.MTA 12 no.3:257-264 '59. (ERAI 9:4)

1. Leningradi Tudomanyegyetem.
(Mineral oils) (Phenols) (Sulfides) (Salts)

PAPOK, K.K.; ZUSEVA, B.S.; priminali uchastiye: ZAKHAROV, A.P.; ZAKHAROV, A.V.;

Properties of MT-16 oils obtained from different crudes. Khim.
i tekhn.topl.i masel 5 no.6:36-39 Je '60. (MKRA 13:?)
(Lubrication and lubricants)

PAPOK, K.K.; ZUSEVA, B.S.

Effect of alkyl polysiloxanes on the washing potential of oils.
Khim.i tekhn.topl.i masel 7 no.9:60-61 S '61. (MIRA 15:8)
(Silicon organic compounds)
(Lubrication and lubricants--Additives)

36356
S/081/62/000/005/083/112
B162/B101

11.9700

AUTHORS:

Papok, K. K., Zarubin, A. P., Zuseva, B. S., Danilin, V. P.,
Zakharov, G. V., Kuznetsov Ye. G., Slavinskiy, A. G.

TITLE:

Set of methods for evaluating the effects of additives on the
operating properties of motor oils

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 5, 1962, 528-529,
abstract 5M216 (3b. "Prisadki k maslам i toplivam".
M., Gostoptekhizdat, 1961, 254-263)

TEXT: It is proposed that the operating properties of motor oils
containing additives be evaluated by a series of laboratory methods
consisting of 3 groups: (1) micromethods (total consumption of oil, 10 ml),
(2) tests on N3B (PZV) and N33 (PZZ) apparatus (total consumption of oil, 10 ml,
0.5 l) and (3) tests on the IT9-5 (IT9-5) and IT9-3 (IT9-3) single
cylinder engines (total consumption of oil, 2.5 l). The first group
covers determination of: thermooxidizing stability and coefficient of
lacquer formation PCIT4953-49 (GOST 4953-49) and PCIT9352-60 (GOST 9352-
-60)), motor volatility, active fraction and tendency to form lacquer

Card 1/3

S/081/62/000/005/083/112
B162/B101

Set of methods ...

(PCT5737-53 (GOST 5737-53)), thin-layer evaporation of the oil (PCT 8674-58 (GOST 8674-58)), critical lacquer formation temperature (method described) and the scale-forming properties by evaporating 0.2 g of oil in an aluminum cup at 400°C until a carbon residue is formed (method described). On the PZV apparatus, they evaluate the washing properties of the oil according to PCT 5726-52 (GOST 5726-52) and the emulsifying properties (method described). In the test on the PZZ apparatus the oil is mixed with air and circulated at 150°C through a cell with lead and copper plates, and after 2 hrs circulation the corrosion of the lead plates is determined, the sediment in the oil on diluting with isoctane and the evaporation of the oil during the test (method described). On the IT9-5 engine primary motor tests are carried out by the NII GSM-20 method for 20 hrs, evaluating the formation of lacquer on the piston and the corrosion properties of the oil from the loss in weight of the lead plates in the cell through which the working oil circulates. On the IT9-3 engine the scale-forming capacity of the oil is evaluated by the PZI (method described), by which the quantity of scale on aluminum surfaces

Card 2/3

Set of methods ...

S/081/62/000/005/083/112
B162/B101

in the precombustion chamber of the engine is determined, the oil being added in a quantity of 3% to the fuel (K-1 (TS-1) or white spirit) and 4 five-minute tests being carried out for each oil sample. The results of the evaluation of oils with different additives using these methods are given. [Abstracter's note: Complete translation.]

X

Card 3/3

39531

S/065/62/000/008/003/003
E075/E135

11.9700

AUTHORS: Papok, K.K., and Zuseva, B.S.

TITLE: A new method for evaluating the detergent effectiveness of additives

PERIODICAL: Khimiya i tekhnologiya topliv i masel, no.8, 1962,
66-70

TEXT: The reserve of detergent potential of lubricating oils was evaluated by the proportion of a standard deposit-forming substance which the oils can contain without formation of large insoluble aggregates. The tests were conducted in a cylindrical steel vessel, 50 mm high, 27 mm in diameter, covered with a metal cap with a central hole 1 mm in diameter. The cylinder is filled with 5 ml of oil and heated at 250 °C for 30 min. The oil is then dissolved in 45 ml of benzine and filtered through a filter "WOTTA" ("Shotta") no.4. Increasing amounts of 5% solution in mineral oil of the standard contaminant B-353 (B-353) (ester of dialkylphenoldithiophosphoric acid) are added to the investigated oil and the maximum proportion of the contaminant found at which the filter is not coloured or only.

Card 1/2

A new method for evaluating the ... S/065/62/000/008/003/003
E075/E135

slightly coloured. The detergent potential is given by

$$\frac{\vartheta}{100 - \vartheta} \times 10$$

where ϑ is the maximum quantity of the standard contaminant in percent weight added to the oil under investigation. To ensure that a given detergent oil performs satisfactorily in thermally stressed engines it should have a high thermoxydation stability (above 80), good detergent properties as determined by ПЗВ (PZV) apparatus (0), and high detergent potential (above 60).
There are 3 figures and 3 tables.

X

Card 2/2

PAPOK, K.K.; ZUSEVA, B.S.

Grade estimation of various kind of oils by laboratory methods,
Khim. i tekhn. topl. i masel. 8 no.3:62-64 Mr '63.
(MIRA 16:4)

(Lubrication and lubricants—Testing)